I

Π

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER

2000273056

PUBLICATION DATE

03-10-00

APPLICATION DATE

10-12-99

APPLICATION NUMBER

11352216

APPLICANT: IDEMITSU KOSAN CO LTD;

INVENTOR: ARAI HIROMASA;

INT.CL.

: C07C 15/60 C07C211/54 C07C211/57

C07D209/86 C07D223/24 C09K 11/06

H05B 33/14 H05B 33/22

TITLE

: AMINO OR STYRYL COMPOUND AND

ORGANIC ELECTROLUMINESCENT

ELEMENT USING THE SAME

Ш

W

ABSTRACT: PROBLEM TO BE SOLVED: To obtain a new amino or styryl compound which gives organic electroluminescent elements having excellent heat resistance and long lives.

> SOLUTION: A compound of formula I (Ar1 is a 6-30C divalent or trivalent aromatic group; X1 and X2 are each styryl, a styrylaryl, a diarylamino or a diarylaminoaryl; (n) is 0 or 1; D1 is a 16-60C monovalent group having four or more carbon rings, when either of X1 or X2 is styryl or styrylaryl, or a 20-60C monovalent aromatic group having five or more carbon rings, when X1 and X2 are each the other). For example, a compound of formula II. The compound of formula I is obtained by preparing a Grignard reagent from a compound of formula III and then reacting the Grignard reagent with a compound of formula IV and

Ni(dppp)Cl2 in anhydrous tetrahydrofuran.

COPYRIGHT: (C)2000,JPO